Hoof™ System
Animal/Equine Gait Assessment

The Hoof™ system combines practical biomechanics with computer aided technology to revolutionize the analysis, interpretation, and treatment of equine or large animal gait and ambulatory function.

The Hoof system offers instantaneous data at every critical phase by providing objective, quantifiable data to effectively treat lameness, hoof, shoeing, and other gait related disorders in shod and unshod animals. The wireless system provides increased mobility for assessment in real life conditions.
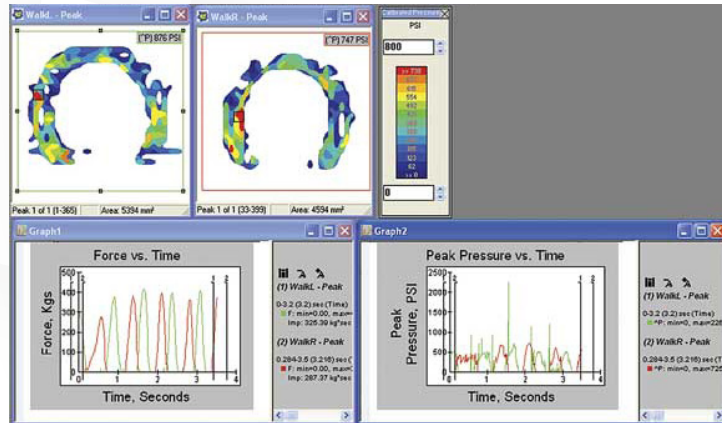
APPLICATIONS

- Animal gait studies and research

- Objective means to assess lameness in animals

- Assist in differentiating the causes of lameness, such as laminitis, caudal heel syndrome, and degenerative joint disease

- Design and evaluate appropriate shoeing for performance horses

- Evaluate and monitor responses to variable treatments such as joint injections, surgery, pain medication, or corrective shoeing

- Assess and confirm soundness

- Detect hoof imbalances

BENEFITS

- Manage animal gait and ambulatory function

- Reduce lameness by providing early assessment and institution of proper treatment

- Use in pre-purchase examination or performance testing

- Easy to apply and use in shod or unshod animals

- Document analysis and treatment plus print data and graphs to explain the condition and treatment options to a client or to a referring clinician

Tekscan™

HOOF ANALYSIS

Shown are pressure profiles of a horse's hooves, a force vs. time graph, a peak pressure vs. time graph, and a color legend for calibrated pressures.

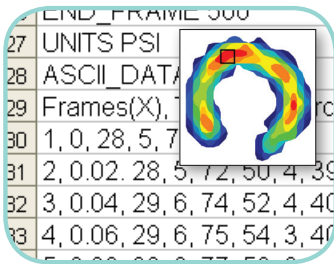### Standard Hoof Sensor Specifications

Sensor Model #	3200E
Technology	Resistive
Size	167.6 mm x 167.6 mm (6.60 in. x 6.60 in.)
# of Sensels/Hoof	1,089
Pressure Range	300 psi/2,069 kPa
Thiness	0.22 mm (0.01 in.)

System Specifications

Connection	Resistive
Scan Speed/Pair	up to 100 Hz
Maximum Distance	up to 100 m (328 ft)

RELATED PRODUCTS & OPTIONS

Research Software

Additional graphing capability, tools to isolate & segment anatomical regions of the foot, & ASCII output

Video Synchronization™

Synchronize & play back both video & pressure data simultaneously to study gait patterns

CONTACT US | FREE DEMONSTRATION

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